

WHAT IS CLAIMED IS:

1. A method of servicing a network request comprising the steps of:
determining availability of resource capacity in response to said network
request; and
allocating a scheduled time for resending said network request by a client
initiating said request.
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2. The method of claim 1 wherein said step of allocating a schedule time
comprises the steps of:
selecting said scheduled time; and
notifying said client to resend said network request at said scheduled time.
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3. The method of claim 2 wherein said step of selecting said scheduled time
comprises the step of selecting said scheduled time from a preselected plurality of
time slots.
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4. The method of claim 1 further comprising the steps of:
breaking a file requested in said network request into a set of subfiles, wherein
said network request scheduled for resending comprises a request to send a
20 preselected subfile of said set of subfiles.

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B1 5. The method of claim 1 further comprising the step of servicing said request in real time when resource capacity is available.

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A1 6. The method of claim 2 wherein each time slot includes a first portion having a first preselected proportion of a predetermined network resource capacity, said first portion comprising a portion reserved for servicing requests in real time.

10 7. The method of claim 2 wherein each time slot includes a first portion having a first preselected proportion of a predetermined network resource capacity, said first portion comprising a portion reserved for servicing at least one scheduled request.

8. The method of claim 6 wherein said first portion includes a second portion reserved for servicing requests having a first priority.

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B1 9. The method of claim 7 wherein said first portion includes a second portion reserved for servicing requests having a first priority.

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A data processing system for servicing a network request comprising:
circuitry operable for determining availability of resource capacity in response
to said network request; and
allocating a scheduled time for resending said network request by a client
initiating said request.

5 11. The data processing system of claim 10 wherein said circuitry operable for
allocating a schedule time comprises:

10 circuitry operable for selecting said scheduled time; and
 circuitry operable for notifying said client to resend said network request at
said scheduled time.

15 12. The data processing system of claim 11 wherein said circuitry operable for
selecting said scheduled time comprises circuitry operable for selecting said
scheduled time from a preselected plurality of time slots.

20 13. The data processing system of claim 10 further comprising:
 circuitry operable for breaking a file requested in said network request into a
set of subfiles, wherein said network request scheduled for resending comprises a
request to send a preselected subfile of said set of subfiles.

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14. The data processing system of claim 10 further comprising circuitry operable for servicing said request in real time when resource capacity is available.

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15. The data processing system of claim 11 wherein each time slot includes a first portion having a first preselected proportion of a predetermined network resource capacity, said first portion comprising a portion reserved for servicing requests in real time.

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16. The data processing system of claim 11 wherein each time slot includes a first portion having a first preselected proportion of a predetermined network resource capacity, said first portion comprising a portion reserved for servicing at least one scheduled request.

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17. The data processing system of claim 15 wherein said first portion includes a second portion reserved for servicing requests having a first priority.

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18. The method of claim 16 wherein said first portion includes a second portion reserved for servicing requests having a first priority.

19. A program product adaptable for storage on program storage media, the program product operable for servicing a network request, the program product comprising:

programming for determining availability of resource capacity in response to said network request; and

programming for allocating a scheduled time for resending said network request by a client initiating said request.

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20. The program product of claim 19 wherein said programming for allocating a schedule time comprises:

programming for selecting said scheduled time; and

programming for notifying said client to resend said network request at said scheduled time.

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21. The program product of claim 20 wherein said programming for selecting said scheduled time comprises programming for selecting said scheduled time from a preselected plurality of time slots.

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22. The program product of claim 19 further comprising programming for:

breaking a file requested in said network request into a set of subfiles, wherein said network request scheduled for resending comprises a request to send a preselected subfile of said set of subfiles.

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23. The program product of claim 19 further comprising programming for servicing said request in real time when resource capacity is available.

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24. The program product of claim 20 wherein each time slot includes a first portion having a first preselected proportion of a predetermined network resource capacity, said first portion comprising a portion reserved for servicing requests in real time.

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25. The program product of claim 20 wherein each time slot includes a first portion having a first preselected proportion of a predetermined network resource capacity, said first portion comprising a portion reserved for servicing at least one scheduled request.

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26. The program product of claim 24 wherein said first portion includes a second portion reserved for servicing requests having a first priority.

27. The program product of claim 25 wherein said first portion includes a third portion second portion reserved for servicing requests having a first priority.

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A data processing system comprising:

a network;

a client coupled to said network; and

a server coupled to said network, said client including circuitry operable for

5 sending a request for delivery of software assets over said network to said server,
wherein said server includes circuitry operable for scheduling said request for delayed
servicing in response to insufficient system capacity, and circuitry for sending a
notification to said client to resend said request according to said scheduling .

10 29. The data processing system of claim 28 wherein said request is scheduled for
servicing at a preselected time.

15 30. The data processing system of claim 28 wherein said client further includes
circuitry operable for resending said request in response to said notification.

31. The data processing system of claim 28 wherein said network comprises the
Internet.

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The data processing system of claim 28 wherein said server further includes circuitry operable for breaking said software asset into a plurality of subfiles, wherein said request for resending comprises a request for a preselected subfile of said plurality.